

### ABSTRACT OF THE DISCLOSURE

A voltage generator arrangement supplies a largely constant output voltage with a high current driver capability. A bandgap reference circuit drives a voltage generator on the output side, if necessary via an impedance converter. The bandgap reference circuit and the impedance converter on the one hand, and the voltage generator on the other hand, are  
5 connected to different reference ground potential lines. The voltage generator on the output side is preceded by a correction circuit, which corrects for the voltage drop on that reference ground potential line to which the output-side voltage generator is connected. The voltage generator arrangement is suitable for a greater integration density.